

Title (en)

Mechanical seal for a cable installed in a corrugated duct

Title (de)

Mechanische Dichtung für Kabel im Wellrohr

Title (fr)

Étanchéité mécanique pour câble installé dans un tube ondulé

Publication

EP 1313190 A1 20030521 (EN)

Application

EP 02024540 A 20021031

Priority

- US 98797001 A 20011116
- US 20619502 A 20020729

Abstract (en)

A seal for sealing the space between a cable and the ends of the corrugated conduit. The seal includes a seal body including a base portion, an engagement portion attached to the base portion and being insertable in the space between the cable and the conduit, and a retainer disposed on the engagement portion for engaging at least one of the corrugations of the conduit. The base portion preferably has a groove for retaining an O-ring such that the O-ring tightly circumscribes the cable to create a seal. The retainer preferably includes helical threads disposed on the outside surface of the engagement portion. Alternatively, however, the retainer can include a rib which engages a corrugation or one or more protrusions which engages a corrugation. Further, the seal body is preferably split into two halves so that it can be installed onto the cable without requiring access to the end of the cable. In addition, the seal body may include two halves interconnected by a hinge so that it is one-piece. Further, as a substitute for the O-rings, the seal may include internal ribs made of a soft material which seal the cable. <IMAGE>

IPC 1-7

H02G 3/06

IPC 8 full level

H02G 3/06 (2006.01)

CPC (source: EP)

H02G 3/0691 (2013.01)

Citation (search report)

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